

ARCHIVES OF
PATHOLOGY

VOLUME 77

JANUARY THROUGH JUNE, 1964

AMERICAN MEDICAL ASSOCIATION Publication

AUTHOR INDEX TO VOLUME 77

In this Index in alphabetical order are the names of authors of all articles. Full citation is given under main author only; reference is made from joint authors. Page numbers in the Index refer to boldface numbers in the text.

A

Adams, J. M.: See Urist, M. R.
 Adams, M.: See Durand, A. M. A.
 Alden, Z. A.: See Halpert, B.
 Alvizouri, M., and Cortes, J.: Effect of DL-Ethionine on the liver of dog and rabbit, 57 (Ja)
 Anderson, A. E.: See Hernandez, J. A.
 Appleyard, F. L.: See Hoffman, C.
 Argyris, B. F.: See Simmons, J. E.
 Argyris, T. S.: See Simmons, J. E.

B

Baserga, R.: See Petersen, R. O.
 Beckel, F.: Atherogenesis in rabbits fed simulated human diet, 563 (Je)
 Benitez, L.; Mathews, M.; and Mallory, G. K.: Platelet thrombosis with polyarteritis nodosa, 116 (Fe)
 Berglund, N. E.: See Schiller, I.
 Berns, A. W.: See Blumenthal, D. S.
 Bhamarapravati, N.; Halstead, S. B.; Sookavachana, P.; and Boonyapaknavik, V.: Studies on dengue virus infection, 538 (My)
 Black, B.: See French, S. W.
 Blumenthal, D. S.; Berns, A. W.; and Blumenthal, H. T.: Anti-insulin serum effects on islets of Langerhans of chick embryo, 107 (Fe)
 Blumenthal, H. T.: See Blumenthal, D. S.
 Boonyapaknavik, V.: See Bhamarapravati, N.

Brown, L.: See Yobs, A. R.

Brunser, O.: See Reid, R.

Budzilovich, G. N.; Most, H.; and Feigin, I.: Pathogenesis and latency of spinal cord schistosomiasis, 383 (Ap)

Byers, S. O.: See Friedman, M.

C

Cannon, P. R.: Dr. D. Murray Angevine, 356 (Ap)

Carpenter, H. M., and Wilkins, R. M.: Autopsy bacteriology: review of 2,033 cases, 73 (Ja)

Cataldo, E.; Shklar, G.; and Chauncey, H. H.: Experimental submaxillary gland tumors in rats, 305 (Mr)

Chason, J. L.: See Dickenman, R. C.

Chauncey, H. H.: See Cataldo, E.

Cheu, D.: See Yamauchi, H.

Churg, J.: See Sobel, H. J.

Clarkson, T. B.: See Prichard, R. W.

Cone, R. B., and Hawley, R. L.: Pseudoaneurysm of the heart following infarction, 166 (Fe)

Conley, T.: See Zugibe, F. T.

Constantinou, E.: Nonfunctioning malignant tumor of the adrenal cortex, 226 (Fe)

Cooper, T.: See Hirsch, E. F.

Cortes, J.: See Alvizouri, M.

Cox, G. E.: See Schiller, I.

Crane, W. A. J., and Ingle, D. J.: Effects of stressors on symptoms of corticoid overdosage, 358 (Ap)

D

Dickenman, R. C., and Chason, J. L.: Cysts of dorsal root ganglia, 366 (Ap)

Dodd, H. C.: See Stewart, R. D.

Duhig, J. T.: See Freydinger, J. E.

Durand, A. M. A.; Fisher, M.; and Adams, M.: Histology in rats as influenced by age and diet, 268 (Mr)

E

Elias, H.: See Sherrick, J. C.

Einstein, R., and Zeroulis, L.: Vitamin D-induced aortic calcification, 27 (Ja)

Elliott, R. L., and Guillen, R.: Gastric biopsies, 258 (Mr)

Epstein, B. S.: See Teplitz, C.

Estevez, J. M.; Thompson, D. S.; and Levinson, J. P.: Lipoma of the heart, 638 (Je)

F

Feigin, I.: See **Budzilovich, G. N.**

Fisher, B.: See **Fisher, E. R.**

Fisher, E. R., and **Fisher, B.**: Role of mast cells in homograft reaction, 548 (My)
See **Wechsler, H. L.**

Fisher, M.: See **Durand, A. M. A.**

Flaa, R. C.: See **Taylor, J. J.**

Fobes, C. D.: See **Poley, R. W.**

Foraker, A. G.: See **Hajdu, S. I.**

Foraker, A. G.: See **Hernandez, J. A.**

French, S. W., **Black, B.**, and **Gourley, W. K.**: Alterations in choline-deficient cirrhosis, 513 (My)

Fresh, J. W., **Versage, P. M.**, and **Reyes, V.**: Intestinal morphology in human and experimental cholera, 529 (My)

Freudenthal, R. R.: See **Mazzonleni, A.**

Freydinger, J. E., and **Duhig, J. T.**: Carcinaoma of accessory lacrimal gland, 643 (Je)

Friedman, M., and **Byers, S. O.**: Effects of feeding saturated and unsaturated fats, 286 (Mr)

Byers, S. O., and **St. George, S.**: Cortisone and experimental atherosclerosis, 142 (Fe)

See **Pearl, F.**

G

Garagusi, V. F., and **Ritts, R. E.**: Triated erythromycin in tissues and abscesses, 587 (Je)

Gerard-Marchant, R.: Thyroid follicle inclusions in cervical lymph nodes, 633 (Je)

Giannukos, N. J.: See **Rigdon, R. H.**

Golden, A.: Cytology of the human adenohypophysis, 218 (Fe)

Goodman, H. O.: See **Prichard, R. W.**

Gourley, W. K.: See **French, S. W.**

Greene, W. B.: See **Pickett, J. P.**

Gross, P., and **Poel, W.**: Pulmonary adenoma, 424 (Ap)

Gruenwald, P.: Examination of the placenta by the pathologist, 41 (Ja)

Guillen, R.: See **Elliott, R. L.**

H

Hackel, D. B., **Martin, A. M.**, **Spach, M. S.**, and **Sieker, H. O.**: Hemorrhagic shock in dogs, 575 (Je)

Hajdu, S. I., and **Foraker, A. G.**: Portal vein, bile duct, and hepatic artery ligation, 450 (Ap)

Hall, M. J.: See **Poley, R. W.**

Halpert, B., and **Alden, Z. A.**: Accessory spleens in or at the tail of the pancreas, 652 (Je)

Halstead, S. B.: See **Bhamarapratvi, N.**

Hansbarger, E. A.: Pelvic exenteration, 324 (Mr)

Hardy, L. B.: See **Lumb, G.**

Hawley, R. L.: See **Cone, R. B.**

Hebbel, R.: Elexious Thompson Bell, MD, 228 (Fe)

Hernandez, J. A., **Anderson, A. E.**, and **Foraker, A. G.**: Bronchial characteristics in pulmonary emphysema, 82 (Ja)

Hesse, F. G.: Incidence of disease in the Navajo Indian, 553 (My)

Hirsch, E. F., **Nigh, C. A.**, **Kaye, M. P.**, and **Cooper, T.**: Terminal innervation of the heart, 172 (Fe)

Hoffbauer, F. W.: See **Zaki, F. G.**

Hoffman, C., and **Appleyard, F. L.**: Primary ovarian pregnancy with tubal occlusion, 340 (Mr)

Hopper, J.: See **Yamauchi, H.**

Hunter, E. F.: See **Yobs, A. R.**

Hurley, J. V., and **Jabara, A. G.**: Properties of "cartilage" in canine mammary tumors, 343 (Mr)

Hyun, B. K., **Singer, E. P.**, and **Sharrett, R. H.**: Esophageal varices and metastatic carcinoma of liver, 292 (Mr)

I

Ingle, D. J.: See **Crane, W. A. J.**

J

Jabara, A. G.: See **Hurley, J. V.**

James, A. W.: See **Waugh, D.**

Jeffries, C. D.: Urease activity of intact and disrupted bacteria, 544 (My)

Johnson, I. M.: See **Morris, A. W.**

K

Kaye, M. P.: See **Hirsch, E. F.**

Kelly, E. W.: Tetrahydroxyquinone effects on sponge implants in albino rat, 317 (Mr)

L

Lendrum, A. C.: Lipid deposits in the aortic cusp of the mitral valve [corres.], 230 (Fe)

Laird, J. L., and Walker, B. E.: Muscle regeneration in normal and dystrophic mice, 64 (Ja)

Letts, H. W.: See Naeye, R. L.

Levinson, J. P.: See Estevez, J. M.

Lotland, H. B.: See Prichard, R. W.

Lumb, G., and Hardy, L. B.: Technique for dissection and perfusion of heart, 233 (Mr)

M

McCormick, W. F.: Inframedullary spinal cord schwannoma, 378 (Ap)

MacDonald, R. A., and Pechet, G. S.: Liver and tissue iron, 348 (Mr)

Maisel, J. C., and Priest, R. E.: Fatal phenacetin nephritis, 646 (Je)

Mallory, G. K.: See Benitez, L.

Martin, A. M.: See Hackel, D. B.

Mathews, M.: See Benitez, L.

Mazzoleni, A.; Reiner, L.; Rodriguez, F. L.; and Freudenthal, R. R.: Weight of the human heart, 205 (Fe)

Mikat, K. W.: Anitschkow cell development in rat myocardium, 47 (Ja)

Moncrief, J. A.: See Teplitz, C.

Morris, A. W., and Johnson, I. M.: Epithelial inclusion cysts of the heart, 36 (Ja)

Moschcowitz, E., and Strauss, L.: Studies in phlebosclerosis, 445 (Ap)

Moss, M. J.: See Urist, M. R.

Most, H.: See Budzilovich, G. N.

Murthy, A. S. K.: See Sherrick, J. C.

N

Naeye, R. L., and Letts, H. W.: Body measurements of fetal and neonatal twins, 393 (Ap)

Nezamis, J. E.: See Robert, A.

Nigh, C. A.: See Hirsch, E. F.

Norris, H. J., and Yunis, E.: Age changes of seminal vesicles and vasa deferentia in diabetics, 126 (Fe)

O

Osathanondh, V., and Potter, E. L.: Pathogenesis of polycystic kidneys, (6 papers), 459-512 (My)

P

Pascoe, H. R.: Myocardial sarcoidosis, 299 (Mr)

Patel, A.: See Van Peenen, H. J.

Pearl, F., and Friedman, M.: Experimental coronary thromboatherosclerosis in the dog, 370 (Ap)

Pechet, G. S.: See MacDonald, R. A.

Petersen, R. O., and Baserga, R.: Route of injection and uptake of tritiated precursors, 582 (Je)

Pickett, J. P.; Greene, W. B.; and Sommer, J. R.: Improved film strip technique for the laboratory, 429 (Ap)

Poel, W.: See Gross, P.

Poley, R. W.; Fobes, C. D.; and Hall, M. J.: Fuchsinophilia in early myocardial infarction, 325 (Mr)

Potter, E. L.: See Osathanondh, V.

Prichard, R. W.; Clarkson, T. B.; Goodman, H. O.; and Lofland, H. B.: Aortic atherosclerosis in pigeons and its complications, 244 (Mr)

Priest, R. E.: See Maisel, J. C.

R

Rawson, A. J.: See Yanoff, M.

Reichlin, R.: See Schiller, I.

Reid, A., and Brunser, O.: Pathogenesis of small intestine changes in celiac disease, 525 (My)

Reiner, L.: See Mazzoleni, A.

Reyes, V.: See Fresh, J. W.

Rigdon, R. H., and Giantukos, N. J.: Effect of carcinogenic hydrocarbons on growth of mice, 198 (Fe)

Ritts, R. E.: See Garagusi, V. F.

Robert, A., and Nezamis, J. E.: Histopathology of steroid-induced ulcers, 407 (Ap)

Rodriguez, F. L.: See Mazzoleni, A.

Rooney, P.: See Yamauchi, H.

Rose, L. R.: See Teplitz, C.

Rosenthal, H.: See Zaiman, H.

S

Sadek, S. E.: See Stewart, R. D.

St. George, S.: See Friedman, M.

Schiller, I.; Berglund, N. E.; Terry, J. R.; Reichlin, R.; Trueheart, R. E.; and Cox, G. E.: Hypercholesterolemia in pet dogs, 389 (Ap)

Schlieter, W.: See Waugh, D.

Schwarz, A.: See Zaiman, H.

Scott, G. B. D.: "Silent" phlebothrombosis, 397 (Ap)

Sharrett, R. H.: See Hyun, B. K.

Sherrick, J. C.; Elias, H.; and Murthy, A. S. Krishna: Reaction of the liver to metastatic carcinoma, 188 (Fe)

Shklar, G.: See Cataldo, E.

Short, M. H.: Multiple myeloma with xanthoma formation, 400 (Ap)

Sieker, H. O.: See Hackel, D. B.

Silberberg, M., and Silberberg, R.: Dyschondrogenesis and osteoarthritis in mice, 519 (My)

Silberberg, R.: See Silberberg, M.

Simmons, J. E.; Argyris, B. F.; and Argyris, T. S.: Mammary gland duct response to tumor transplant, 609 (Je)

Singer, E. P.: See Hyun, B. K.

Sobel, H. J., and Churg, J.: Granular cells and granular cell lesions, 132 (Fe)

Solis, J. R.: Atresia of the aortic arch, 97 (Ja)

Sommer, J. R.: See Pickett, J. P.

Sookavachana, P.: See Bhamarapravati, N.

Spach, M. S.: See Hackel, D. B.

Standish, S. M.: Striated muscle regeneration after chemical injury, 330 (Mr)

Stewart, R. D.; Sadek, S. E.; Swank, J. D.; and Dodd, H. C.: Diagnosis of trichloroethylene exposure after death, 101 (Ja)

Strauss, L.: See Moschcowitz, E.

Swank, J. D.: See Stewart, R. D.

T

Talbott, J. H.: Paul R. Cannon—chief editor, 355 (Ap)

Taylor, J. J., and Flaa, R. C.: Histochemical analysis of Paneth cell granules in rats, 278 (Mr)

Teplitz, C.; Epstein, B. S.; Rose, L. R.; and Moncrief, J. A.: Necrotizing tracheitis induced by tracheostomy tube, 6 (Ja)

Terry, J. R.: See Schiller, I.

Thompson, D. S.: See Estevez, J. M.

Towbin, A.: Spinal cord and brain stem injury at birth, 620 (Je)

Trueheart, R. E.: See Schiller, I.

U

Urist, M. R.; Moss, M. J.; and Adams, J. M.: Calcification of tendon, 594 (Je)

V

Van Peenen, H. J., and Patel, A.: Tissue zinc and calcium in chronic disease, 53 (Ja)

Versage, P. M.: See Fresh, J. W.

W

Walker, B. E.: See Laird, J. L.

Walsh, J. R.: See Wirtschafter, Z. T.

Waugh, D.; Schlieter, W.; and James, A. W.: Ilfraglomerular epithelial reflux, 93 (Ja)

Wechsler, H. L., and Fisher, E. R.: Ehlers-Danlos syndrome, 613 (Je)

Wilkins, R. M.: See Carpenter, H. M.

Wirtschafter, Z. T., and Walsh, J. R.: Pyridoxine deficiency versus undernutrition, 239 (Mr)

Y

Yamauchi, H.; Cheu, D.; Rooney, P.; and Hopper, J.: Renal lesions induced by aminonucleoside in dogs, 20 (Ja)

Yanoff, M., and Rawson, A. J.: Peliosis hepatitis, 159 (Fe)

Yobs, A. R.; Brown, L.; and Hunter, E. F.: Fluorescent antibody technique in early syphilis, 220 (Fe)

Yunis, E.: See Norris, H. J.

Z

Zackheim, H. S.: Evolution of squamous cell carcinoma in the rat, 434 (Ap)

Zaiman, H.; Schwarz, A.; and Rosenthal, H.: Acute appendicitis with a schistosome in vein, 113 (Fe)

Zaki, F. G., and Hoffbauer, F. W.: Serum proteins in fatty cirrhosis of the rat, 1 (Ja)

Zeroulis, L.: See Einstein, R.

Zugibe, F. T., and Conley, T.: Low-temperature alloy for rapid casts of blood vessels, 558 (My)

SUBJECT INDEX TO VOLUME 77

The following Index is an alphabetical list of significant subjects presented in this volume. Page numbers refer to boldface numbers at the top of the page. Books reviewed are listed alphabetically by main author under the heading "BOOKS."

A

Abscess
tritiated erythromycin in [Gargusi], 587 (Je)

Acetophenetidin
fatal nephritis, case [Maisel], 646 (Je)

Adenocarcinoma
of adrenal cortex, nonfunctioning, malignant, case [Constantinou], 226 (Fe)
primary, of accessory lacrimal gland [Freydinger], 643 (Je)

Adenohypophysis: See Pituitary Gland, Anterior

Adenoma
pulmonary, fibrogenic potential of its epithelium [Gross], 424 (Ap)

Adrenal Cortex Hormones
overdosage, effects of stressors on symptoms [Crane], 358 (Ap)

Adrenal Cortex Neoplasms
malignant, nonfunctioning, case [Constantinou], 226 (Fe)

Aging
changes of seminal vesicles and vasa deferentia in diabetics [Norris], 126 (Fe)
influence histology renal and cardiovascular systems in rats [Durand], 268 (Mr)

Anemia, Pernicious
gastric biopsy in, ultrastructural study [Elliott], 258 (Mr)

Aneurysm
pseudoaneurysm of heart, following infarction [Cone], 166 (Fe)

Angevine, D. Murray
new Chief Editor Archives of Pathology [Cannon], 356 (Ap)

Anitschkow Cells: See Myocardium

Antibiotics: See Erythromycin

Aortic Diseases
atherosclerosis in pigeons and its complications [Prichard], 244 (Mr)
atresia of arch, case [Solis], 97 (Ja)
calcification, vitamin D-induced, electron microscopic study [Einstein], 27 (Ja)

Aortic Valve
low-temperature alloy for rapid casts [Zugibe], 558 (My)

Appendicitis

acute, with schistosome in vein [Zaiman], 113 (Fe)

APPOINTMENTS

Hopps, Howard C, 230 (Fe)

Archives of Pathology

Dr. D. Murray Angevine, Chief Editor,

April 1, 1964 [Cannon], 356 (Ap)

Paul R. Cannon, Chief Editor, 1954-1964 [Talbot], 355 (Ap)

Arteriosclerosis

aortic atherosclerosis in pigeons and its complications [Prichard], 244 (Mr)

atherogenesis in rabbits fed simulated human diet [Beckel], 563 (Je)

atherosclerosis, experimental, and cortisone [Friedman], 142 (Fe)

coronary and aortic, incidence in Navajo Indian, necropsy study [Hesse], 553 (My)

Atherosclerosis: See Arteriosclerosis**Autopsy**

bacteriology, review 2,033 cases [Carpenter], 73 (Ja)

technique for dissection and perfusion of heart [Lumb], 233 (Mr)

AWARDS

Ward Burdick, 30th annual, to Dr. K. M. Brinkhouse, 230 (Fe)

B**Bacteria**

urease activity [Jeffries], 544 (My)

Bacteriology

autopsy, review 2,033 cases [Carpenter], 73 (Ja)

Benzanthracenes

evolution of squamous cell carcinoma in the rat [Zackheim], 434 (Ap)

experimental DMBA submaxillary gland tumors in rats [Cataldo], 305 (Mr)

Bile Ducts

and portal vein and hepatic artery ligation [Hajdu], 450 (Ap)

Bird Diseases

aortic atherosclerosis in pigeons and its complications [Prichard], 244 (Mr)

Biopsy

gastric, ultrastructural study, with special reference to pernicious anemia [Elliott], 258 (Mr)

Birth Injury
of spinal cord and brain stem [Towbin], 620 (Je)

Blood Cholesterol: See **Hypercholesterolemia**

Blood Proteins
in fatty cirrhosis of rat [Zaki], 1 (Ja)

Blood Vessels, Models
low-temperature alloy for rapid casts [Zugibe], 558 (My)

Body Height
of fetal and neonatal twins [Naeye], 393 (Ap)

Body Weight
of fetal and neonatal twins [Naeye], 393 (Ap)

BOOKS

- Aegerter, E., and Kirkpatrick, J. A.: Orthopedic diseases: physiology-pathology-radiology, 561 (My)
- Bateman, J. E.: Trauma to nerves in limbs, 105 (Ja)
- Beeson, P. B., and McDermott, W., eds.: Textbook of medicine, 656 (Je)
- Bevelander, G.: Outline of histology, 457 (Ap)
- Blaustein, A., ed.: Spleen, 656 (Je)
- Bloom, W., and Fawcett, D. W.: Textbook of histology, 458 (Ap)
- Bockus, H. L.: Gastroenterology, 561 (My)
- Bothwell, T. H., and Finch, C. A.: Iron metabolism, 655 (Je)
- Britton, C. J. C.: Whitby and Britton's disorders of the blood: diagnosis; pathology; treatment; technique, 105 (Ja)
- Cartwright, G. E.: Diagnostic laboratory hematology, 655 (Je)
- Coates, J. B.: Communicable diseases—malaria: preventive medicine in World War II, 231 (Fe)
- Cumley, R. W., et al, eds.: Carcinoma of the uterine cervix, endometrium and ovary, 458 (Ap)
- Grover, R. F., ed.: Progress in research in emphysema and chronic bronchitis: vol 1. Normal and abnormal pulmonary circulation, 457 (Ap)
- Hall, J. E.: Applied gynecologic pathology, 232 (Fe)
- Kernohan, J. W., and Uihlein, A.: Sarcomas of the brain, 231 (Fe)
- Lapin, B. A., and Yakovleva, L. A.: Comparative pathology in monkeys, 562 (My)
- Sherman, A. I.: Cancer of the female reproductive organs, 106 (Ja)
- 16th Annual Symposium on Fundamental Cancer Research. Conceptual advances in immunology and oncology, 561 (My)

Books—continued

- Szentagothai, J., et al: Hypothalamic control of the anterior pituitary: an experimental morphological study, 354 (Mr)
- Wiener, A. S., and Wexler, I. B.: Rh-Hr syllabus, 457 (Ap)
- Zweifach, B. W.: Functional behavior of the microcirculation, 562 (My)

Brain Stem
injury at birth [Towbin], 620 (Je)

Bronchi
in pulmonary emphysema, characteristics [Hernandez], 82 (Ja)

C

Calcification
aortic, vitamin D-induced, electron microscopic study [Einstein], 27 (Ja)
of tendon, triphasic local mechanism [Urist], 594 (Je)

Calcium
tissue, and zinc, in chronic disease [Van Peenen], 53 (Ja)

Cannon, Paul R.
Chief Editor, Archives of Pathology, 1954-1964 [Talbott], 355 (Ap)

Carcinogens: See also **Benzanthracines**
hydrocarbons, effect on growth of mice [Rigdon], 198 (Fe)

Carcinoma
liver, metastatic, and esophageal varices, 3 cases and review literature [Hyun], 292 (Mr)
metastatic, reaction of liver to [Sherick], 188 (Fe)
thyroid follicle inclusions in cervical lymph nodes [Gerard-Marchant], 633 (Je)

Carcinoma, Ductal: See **Mammary Neoplasms, Experimental**

Carcinoma, Ehrlich Tumor
mammary gland duct response to Ehrlich ascites tumor transplant [Simmons], 609 (Je)

Carcinoma, Epidermoid
evolution of squamous cell carcinoma in the rat [Zackheim], 434 (Ap)

Cardiovascular System
histology, in rats, influence age and diet [Durand], 268 (Mr)

Cartilage
properties of "cartilage" in canine mammary tumors [Hurley], 343 (Mr)

Cerrolow 117: See **Blood Vessels, Models**

Celiac Disease
pathogenesis of small intestine changes in [Reid], 525 (My)

Cholelithiasis
incidence in Navajo Indian, necropsy study [Hesse], 553 (My)

Cholera

intestinal morphology, human and experimental [Fresh], 529 (My)

Cholesterol

atherogenesis in rabbits fed simulated human diet [Beckel], 563 (Je)
deposition, effects of feeding fats [Friedman], 286 (Mr)

Choline

deficiency and cirrhosis, histochemical study [French], 513 (My)

Chronic Disease

tissue zinc and calcium in [Van Peenen], 53 (Ja)

Coronary Diseases

thromboatherosclerosis, experimental, in dog [Pearl], 370 (Ap)

Corticoids: See Adrenal Cortex Hormones**Cortisone**

and experimental atherosclerosis, effects [Friedman], 142 (Fe)

Cysts

epithelial inclusion cysts of heart, case, review [Morris], 36 (Ja)
of dorsal root ganglia [Dickenman], 366 (Ap)

Cytology

Anitschkow cell development in rat myocardium [Mikat], 47 (Ja)
granular cells and granular cell lesions [Sobel], 132 (Fe)
of human adenohypophysis [Golden], 218 (Fe)
Paneth cell granules, in rats, histochemical analysis [Taylor], 278 (Mr)

D**Death**

diagnosis of trichloroethylene exposure after death [Stewart], 101 (Ja)
unexpected death in case myocardial sarcoidosis [Pascoe], 299 (Mr)

Diabetes Mellitus

age changes of seminal vesicles and vasa deferentia in [Norris], 126 (Fe)

Dissection

heart, technique for [Lumb], 233 (Mr)

Dog Diseases

hypercholesterolemia in pet dogs [Schiller], 389 (Ap)

Dorsal Root Ganglia: See Ganglia, Spinal**Dyschondrogenesis: See Osteochondritis****E****Ehlers-Danlos Syndrome**

pathologic, histochemical, and electron microscopic observations [Wechsler], 613 (Je)

Ehrlich Ascites Tumor: See Carcinoma, Ehrlich Tumor**Enteritis**

intestinal morphology in cholera [Fresh], 529 (My)

Erythromycin

tritiated in tissues and abscesses [Gargus], 587 (Je)

Esophageal Varices

and metastatic carcinoma liver, 3 cases and review literature [Hyun], 292 (Mr)

Ethionine

effect of DL-Ethionine on liver of dog and rabbit [Alvizouri], 57 (Ja)

F**Fallopian Tubes**

occlusion in primary ovarian pregnancy, case [Hoffman], 340 (Mr)

Fats

saturated and unsaturated, effects of feeding, cholesterol deposition [Friedman], 286 (Mr)

Film

improved film strip technique for the laboratory [Pickett], 429 (Ap)

Fluorescent Antibody Technic

immunofluorescent localization of dengue virus in mouse tissue [Bhamarapravati], 538 (My)
in early syphilis, applied to demonstration *T. pallidum* [Yobs], 220 (Fe)

Fuchsin: See Rosaniline Dyes**G****Ganglia, Spinal**

cysts of dorsal root ganglia [Dickenman], 366 (Ap)

Growth

effect of carcinogenic hydrocarbons on growth of mice [Rigdon], 198 (Fe)

H**Heart**

hemorrhagic shock in dogs, relation of hemodynamic and metabolic changes to myocardial lesions [Hackel], 575 (Je)

technique for dissection and perfusion [Lumb], 233 (Mr)

terminal innervation; studies perimysial innervation apparatus and sensory receptors, rabbit and dog [Hirsch], 172 (Fe)

weight, effect of ischemic heart disease [Mazzoleni], 205 (Fe)

Heart Defects, Congenital

epithelial inclusion cysts, case, review [Morris], 36 (Ja)

Heart Neoplasms

lipoma, review literature and report two autopsied cases [Estevez], 638 (Je)

Hemochromatosis
liver and tissue iron, significance [McDonald], 348 (Mr)

Hepatic Artery
and portal vein and bile duct ligation [Hajdu], 450 (Ap)

Histological Techniques
improved film strip technique for the laboratory [Pickett], 429 (Ap)

Homografts: See Skin Transplantation

Hydrocarbons
carcinogenic, effect on growth of mice [Rigdon], 198 (Fe)

Hypercholesterolemia
in pet dogs [Schiller], 389 (Ap)

I

Indians, North American
incidence disease in Navajo, necropsy study [Hesse], 553 (My)

Infant Diseases
phlebosclerosis of inferior vena cava and portal vein [Moschcowitz], 445 (Ap)

Infant Mortality
spinal cord and brain stem injury at birth [Towbin], 620 (Je)

Insulin Antibodies
effects on islets of Langerhans of chick embryo [Blumenthal], 107 (Fe)

Intestine, Small
morphology in human and experimental cholera [Fresh], 529 (My)
pathogenesis of changes in celiac disease [Reid], 525 (My)

Intubation, Intratracheal
necrotizing tracheitis induced by tracheostomy tube [Teplitz], 6 (Ja)

Iron
liver and tissue, significance for hemochromatosis [McDonald], 348 (Mr)

Islands of Langerhans
of chick embryo, anti-insulin serum effects on [Blumenthal], 107 (Fe)

Ivalon
sponge implants albino rat, effect tetrahydroxyquinone on [Kelly], 317 (Mr)

J

Joint Diseases
dyschondrogenesis and osteoarthritis in mice [Silberberg], 519 (My)

K

Kidney
histology, in rats, influence age and diet [Durand], 268 (Mr)

Kidney Diseases, Experimental
infraglomerular epithelial reflux [Waugh], 93 (Ja)
renal lesions induced by aminonucleoside in dogs [Yamauchi], 20 (Ja)

Kidney, Polycystic
microdissection, survey of results [Osathanondh], 510 (My)
pathogenesis, historical survey [Osathanondh], 459 (My)
type 1 due to hyperplasia interstitial portions collecting tubules [Osathanondh], 466 (My)
type 2 due to inhibition ampullary activity [Osathanondh], 474 (My)
type 3 due to multiple abnormalities of development [Osathanondh], 485 (My)
type 4 due to urethral obstruction [Osathanondh], 502 (My)

Kidney Tubules
hyperplasia interstitial portions and pathogenesis polycystic kidney [Osathanondh], 466 (My)

L

Lacrimal Apparatus
carcinoma of accessory lacrimal gland [Freydinger], 643 (Je)

Lipids
deposits in aortic cusp mitral valve [cores], 230 (Fe)

Lipoma
of heart, literature review and report two autopsied cases [Estevez], 638 (Je)

Liver
iron, significance for hemochromatosis [MacDonald], 348 (Mr)

Liver Cirrhosis, Experimental
choline-deficient, histochemical study [French], 513 (My)
serum proteins, in rat [Zaki], 1 (Ja)

Liver Diseases
effect of DL-Ethionine on liver of dog and rabbit [Alvizouri], 57 (Ja)
peliosis hepatitis, two varieties, anatomic study [Yanoff], 159 (Fe)

Liver Neoplasms
metastatic carcinoma and esophageal varices, 3 cases and review literature [Hyun], 292 (Mr)
metastatic carcinoma, liver reaction to [Sherrick], 188 (Fe)

Lumbosacral Region
cysts of dorsal root ganglia, [Dickenman], 366 (Ap)

Lung Neoplasms
adenoma, fibrogenic potential of its epithelium [Gross], 424 (Ap)

Lymph Nodes

cervical, thyroid follicle inclusions in [Gerard-Marchant], 633 (Je)

M**Mammary Neoplasms, Experimental**

canine, properties of "cartilage" in [Hurley], 343 (Mr)
mammary gland duct response to tumor transplant [Simmons], 609 (Je)

Mast Cells

role in homograft reaction [Fisher], 548 (My)

Mitral Valve

lipid deposits in aortic cusp [corres.], 230 (Fe)

Multiple Myeloma

with xanthoma formation, case [Short], 400 (Ap)

Muscles

regeneration in normal and dystrophic mice [Laird], 64 (Ja)
striated regeneration after chemical injury [Standish], 330 (Mr)

Muscular Dystrophy

muscle regeneration in normal and dystrophic mice [Laird], 64 (Ja)

Myoblastoma

granular cells and granular cell lesions [Sobel], 132 (Fe)

Myocardial Fibrosis

effect on weight of human heart [Mazzoleni], 205 (Fe)

Myocardial Infarct

early, fuchsinophilia in, acid fuchsin staining method for demonstration [Poley], 325 (Mr)
effect on weight of human heart [Mazzoleni], 205 (Fe)
pseudoaneurysm of heart, following infarction [Cone], 166 (Fe)

Myocardium

Anitschkow cell development, in rat [Mikat], 47 (Ja)

N**Navajo Indians: See Indians, North American****Neck**

thyroid follicle inclusions in cervical lymph nodes [Gerard-Marchant], 633 (Je)

Neoplasm Metastasis

metastatic carcinoma liver and esophageal varices, 3 cases and review literature [Hyun], 292 (Mr)
reaction to metastatic carcinoma, liver [Sherrick], 188 (Fe)

Neoplasms

incidence in Navajo Indian, necropsy study [Hesse], 553 (My)

Neoplasms, Experimental

submaxillary gland, in rats, histology and histochemistry [Cataldo], 305 (Mr)

Nephritis, Interstitial

fatal phenacetin nephritis, case [Maisel], 646 (Je)

Nerves, Cardiac

sarcoidosis, case with unexpected death [Pascoe], 299 (Mr)
terminal innervation heart; studies perimysial innervation apparatus and sensory receptors, rabbit and dog [Hirsch], 172 (Fe)

O**OBITUARIES**

Bell, Elexious Thompson, 228 (Fe)

Osteoarthritis: See Joint Diseases**Osteochondritis**

dyschondrogenesis and osteoarthritis in mice [Silberberg], 519 (My)

P**Pancreas**

accessory spleens in or at the tail of the pancreas [Halpert], 652 (Je)

Parathyroid Glands

histology, in rats, influence age and diet [Durand], 268 (Mr)

Pelvic Exenteration

specimens, new method of fixation [Hansbarger], 324 (Mr)

Peptic Ulcer

steroid-induced, histopathology, experimental study in rat [Robert], 407 (Ap)

Periarteritis Nodosa

and platelet thrombosis, case [Benitez], 116 (Fe)

Phenacetin: See Acetophenetidin**Phlebothrombosis: See Thrombophlebitis****Pituitary Gland, Anterior**

cytology human hypophysis [Golden], 218 (Fe)

Placenta

examination by pathologist [Gruenwald], 41 (Ja)

Platelet Thrombosis: See Purpura, Thrombopenic**Polyarteritis Nodosa: See Periarteritis Nodosa****Portal Vein**

and bile duct and hepatic artery ligation [Hajdu], 450 (Ap)
phlebosclerosis in 23-day-old infant [Moscheowitz], 445 (Ap)

Postmortem Examination: See Autopsy**Prednisolone**

induced ulcers, histopathology, experimental study in rat [Robert], 407 (Ap)

Pregnancy, Ovarian

primary, with tubal occlusion, case [Hoffman], 340 (Mr)

Pulmonary Emphysema

bronchial characteristics in [Hernandez], 82 (Ja)

Purines

renal lesions induced by aminonucleoside in dogs [Yamauchi], 20 (Ja)

Purpura, Thrombopenic

platelet thrombosis, disseminated, with polyarteritis nodosa, case [Benitez], 116 (Fe)

Pyridoxine Deficiency

versus undernutrition, comparative study of rat [Wirtschafter], 239 (Mr)

Q**Quinones**

tetrahydroxyquinone (THQ) effects on sponge implants in albino rat [Kelly], 317 (Mr)

R**Rabbits**

atherogenesis in rabbits fed simulated human diet [Beckel], 563 (Je)

Radioisotopes

route of injection and uptake of tritiated precursors [Petersen], 582 (Je) tritiated erythromycin in tissues and abscesses [Gargus], 587 (Je)

Regeneration

striated muscle after chemical injury [Standish], 330 (Mr)

Rosaniline Dyes

fuchsinophilia in early myocardial infarction, method for demonstration by fuchsin staining [Poley], 325 (Mr)

S**Sarcoidosis**

myocardial, case with unexpected death [Pascoe], 299 (Mr)

Schistosomiasis

appendiceal vein, with acute appendicitis [Zaiman], 113 (Fe) of spinal cord, pathogenesis and latency [Budzilovich], 383 (Ap)

Schwannoma: See Spinal Cord Neoplasms**Sclerosis**

phlebosclerosis of inferior vena cava and portal vein in 23-day-old infant [Moscheowitz], 445 (Ap)

Seminal Vesicles

age changes in diabetics [Norris], 126 (Fe)

Serum Proteins: See Blood Proteins**Shock, Hemorrhagic**

in dogs, relation hemodynamic and metabolic changes to myocardial lesions [Hackel], 575 (Je)

Skin Transplantation

role of mast cells in homograft reaction [Fisher], 548 (My)

Spinal Cord

inframedullary schwannoma, unique case [McCormick], 378 (Ap) injuries at birth [Towbin], 620 (Je) pathogenesis and latency of spinal cord schistosomiasis [Budzilovich], 383 (Ap)

Spleen

accessory spleens in or at the tail of the pancreas [Halpert], 652 (Je)

Starvation

pyridoxine deficiency versus undernutrition, comparative study of rat [Wirtschafter], 239 (Mr)

Stomach

biopsy, ultrastructural study with special reference to pernicious anemia [Elliott], 258 (Mr)

Stomach Ulcer

steroid-induced, histopathology, experimental study in rat [Robert], 407 (Ap)

Stress

effects of stressors on symptoms of corticoid overdosage [Crane], 358 (Ap)

Submandibular Gland

experimental tumors in rats, histology and histochemistry [Cataldo], 305 (Mr)

Syphilis

early, fluorescent antibody technique for demonstration *T. pallidum* [Yobs], 220 (Fe)

T**Tendonitis**

calcification of tendon, triphasic local mechanism [Urist], 594 (Je)

Tetrahydroxyquinone: See Quinones**Thrombophlebitis**

"silent" phlebothrombosis, experimental [Scott], 397 (Ap)

Thrombosis, Coronary: See Coronary Diseases**Thyroid Neoplasms**

thyroid follicle inclusions in cervical lymph nodes [Gerard-Marchant], 633 (Je)

Tracheitis

necrotizing, induced by tracheostomy tube [Teplitz], 6 (Ja)

Treponema Pallidum

demonstration in early syphilis, fluorescent antibody technique [Yobs], 320 (Fe)

Trichloroethylene

diagnosis of exposure after death [Stewart], 101 (Ja)

Tritium

route of injection and uptake of tritiated precursors [Petersen], 582 (Je)
tritiated erythromycin in tissues and abscesses [Garagusi], 587 (Je)

Twins

body measurements of fetal and neonatal twins [Naeye], 393 (Ap)

U**Urease**

activity of intact and disrupted bacteria [Jeffries], 544 (My)

Urethral Obstruction

and pathogenesis of polycystic kidneys [Osathanondh], 502 (My)

V**Vas Deferens**

age changes in diabetics [Norris], 126 (Fe)

Vena Cava, Inferior

phlebosclerosis in 23-day-old infant [Moschcowitz], 445 (Ap)

Viruses, Dengue Virus

studies on infection 1: immunofluorescent localization in mouse tissue [Bhamarapratap], 538 (My)

Vitamin D

induced aortic calcification, electron microscopic study [Einstein], 27 (Ja)

X**Xanthomatosis**

in case of multiple myeloma [Short], 400 (Ap)

Z**Zinc**

tissue, and calcium, in chronic disease [Van Peenen], 53 (Ja)

ARCHIVES OF
PATHOLOGY

VOLUME 78

JULY THROUGH DECEMBER, 1964

AMERICAN MEDICAL ASSOCIATION Publication

STATEMENT OF OWNERSHIP, MANAGEMENT AND CIRCULATION

(Act of October 23, 1962: Section 4369, Title 39, United States Code)

Publisher:

File two copies of
this form with your postmaster.

1. DATE OF FILING September 30, 1964	2. TITLE OF PUBLICATION Archives of Pathology
3. FREQUENCY OF ISSUE Monthly	
4. LOCATION OF KNOWN OFFICE OF PUBLICATION (Street, city, county, state, zip code) 535 North Dearborn Street, Chicago, Cook, Illinois 60610	
5. LOCATION OF THE HEADQUARTERS OR GENERAL BUSINESS OFFICES OF THE PUBLISHERS (Not printers) 535 North Dearborn Street, Chicago, Cook, Illinois 60610	
6. NAMES AND ADDRESSES OF PUBLISHER, EDITOR, AND MANAGING EDITOR	
PUBLISHER (Name and address) American Medical Association, 535 North Dearborn Street, Chicago, Illinois 60610	
EDITOR (Name and address) D. Murray Angevine, M.D., 535 North Dearborn Street, Chicago, Illinois 60610	
MANAGING EDITOR (Name and address) Gilbert S. Cooper, 535 North Dearborn Street, Chicago, Illinois 60610	
7. OWNER (If owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding 1 percent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a partnership or other unincorporated firm, its name and address, as well as that of each individual must be given.)	
NAME None	ADDRESS
8. KNOWN BONDHOLDERS, MORTGAGEES, AND OTHER SECURITY HOLDERS OWNING OR HOLDING 1 PERCENT OR MORE OF TOTAL AMOUNT OF BONDS, MORTGAGES OR OTHER SECURITIES (If there are none, so state)	
NAME None	ADDRESS
9. Paragraphs 7 and 8 include, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, also the statements in the two paragraphs show the affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner. Names and addresses of individuals who are stockholders of a corporation which itself is a stockholder or holder of bonds, mortgages or other securities of the publishing corporation have been included in paragraphs 7 and 8 when the interests of such individuals are equivalent to 1 percent or more of the total amount of the stock or securities of the publishing corporation.	
10. THIS ITEM MUST BE COMPLETED FOR ALL PUBLICATIONS EXCEPT THOSE WHICH DO NOT CARRY ADVERTISING OTHER THAN THE PUBLISHER'S OWN AND WHICH ARE NAMED IN SECTIONS 132.231, 132.232, AND 132.233, POSTAL MANUAL (Sections 4355a, 4355b, and 4356 of Title 39, United States Code)	
October, 1963 thru September, 1964	AVERAGE NO. COPIES EACH ISSUE DURING PRECEDING 12 MONTHS
A. TOTAL NO. COPIES PRINTED (Net Press Run)	9,941
B. PAID CIRCULATION 1. TO TERM SUBSCRIBERS BY MAIL, CARRIER DELIVERY OR BY OTHER MEANS.	9,254
2. SALES THROUGH AGENTS, NEWS DEALERS, OR OTHERWISE.	None
C. FREE DISTRIBUTION (including samples) BY MAIL, CARRIER DELIVERY, OR BY OTHER MEANS.	687
D. TOTAL NO. OF COPIES DISTRIBUTED. (Sum of lines B1, B2 and C)	9,941
I certify that the statements made by me above are correct  Russell H. Clark, Business Director	

AUTHOR INDEX TO VOLUME 78

In this Index in alphabetical order are listed the names of authors of all articles. Full citation is given under main author only; reference is made from joint authors. Page numbers in the Index refer to boldface numbers in the text.

A

Abrahams, C.; Rubenstein, A. H.; Levin, N. W., and Wunderlich, U.: Experimentally induced analgesic nephritis in rats, 222 (Se)

Adar, U.: See Schneider, M.

Akamatsu, Y. and Takahashi, M.: Lathyrism of mice, 61 (My)

Alton, J. D. M.: See Bain, G. O.

Anderson, R. E.; Yamamoto, T.; Yamada, A., and Will, D. W.: Autopsy study of leukemia in Hiroshima, 618 (De)

Angevine, D. M.: Introductory comment, 305 (Oc)

Ansley, H. R.: See Black, M. M.

Antopol, W., and Chryssanthou, C.: Shwartzman phenomenon mechanism: newer concepts, 313 (Oc)

Arana, J. A.; Kozij, M., and Jackson, G. G.: Retrograde *E. coli* urinary tract infection in rats, 558 (No)

Astrup, T.: See Kwaan, H. C.

B

Baar, H. S., and Galindo, J.: Pulmonary glomangioma and hamartoma in tuberous sclerosis, 287 (Se)

Bader, L. V., and Proctor, N. S. F.: Interstitial cell tumor in a cryptorchid testis, 260 (Se)

Bain, G. O., and Alton, J. D. M.: Hepatomegaly in hybrid mice from parental spleen cells, 633 (De)

Barka, T.; Scheuer, P. J.; Schaffner, F., and Popper, H.: Structural changes of liver cells in copper intoxication, 331 (Oc)

Baserga, R.: See Hinrichs, H. R.

Beall, F. A.: See Soto, P. J.

Benditt, E. P., and Eriksen, N.: Amyloid, 325 (Oc)

Black, M. M.; Ansley, H. R., and Mandl, R.: On cell specificity of histones, 350 (Oc)

C

Carroll, R.: See Kovacs, K.

Carter, P. K.: See Walford, R. L.

Chryssanthou, C.: See Antopol, W.

Clarkson, T. B.: See Middleton, C. C.

Clay, J. R., and Rossing, R. G.: Histopathology of exposure to phosgene, 544 (No)

Congdon, C. C.: Early effects of antigenic stimulation, 83 (Au)

Cooper, T.: See Hirsch, E. F.

Crane, W. A. J., and Ingle, D. J.: Tritiated thymidine uptake in rat hypertension, 209 (Se)

D

Davies, A. M.; Laufer, A.; Gery, I., and Rosenmann, E.: Organ specificity of the heart, 369 (Oc)

Dawson, J. L., and Stirling, G. A.: Protective effect of mannitol on anoxic jaundiced kidneys, 254 (Se)

Dimling, C.: See Fisher, E. R.

E

Edwards, J. E.: See Kanjuh, V. I.

Eggen, D. A.; Strong, J. P., and McGill, H. C.: Calcification in the abdominal aorta, 575 (De)

Ehrlich, J. C., and Shinohara, Y.: Low incidence of coronary thrombosis in myocardial infarction, 432 (Oc)

Elwell, R. H.: See McHenry, L. C.

Eriksen, N.: See Benditt, E. P.

Ewald, R. A.: See McHenry, L. C.

F

Feigin, I.: See Popoff, N.

Fetter, B. F., and Tindall, J. P.: Cutaneous sporotrichosis, 613 (De)

Fetterman, G. H.: See Thompson, M. E.

Fisher, E. R., and Dimling, C.: Rhinoscleroma, 501 (No)

Freytag, E., and Lindenberg, R.: 294 medicolegal autopsies on epileptics, 274 (Se)

G

Gabbiani, G., and Nielson, K.: Anaphylactoid inflammation and mastopexis, 626 (De)

Galindo, J.: See Baar, H. S.

Gallager, H. S.: See Suit, H. D.

Gates, O.: See Warren, S.

Gatling, R. R.: Effect of nicotine on chick embryo, 652 (De)

Gery, I.: See Davies, A. M.

Gore, I.; Tanaka, Y., and White, H. A.: Arterial acid mucopolysaccharide changes by protamine, 181 (Se)

Gorham, W. L.: and West, W. T.: Circulatory changes in osteolytic and osteoblastic reactions, 673 (De)

Grollman, A.: See White, F. N.

H

Herrold, K. McD.: Epithelial papillomas of the nasal cavity, 189 (Se)

Hiinrichs, H. R.; Petersen, R. O., and Baserga, R.: Incorporation of thymidine into DNA of mouse organs, 245 (Se)

Hirsch, E. F.; Kaiser, G. C., and Cooper, T.: Experimental heart block in the dog, 523 (No)

I

Ikuta, F., and Zimmerman, H. M.: Intramuscular precancerous lesions from hydrocarbons, 377 (Oc)

Ingle, D. J.: See Crane, W. A. J.

J

Jackson, G. G.: See Arana, J. A.

K

Kaiser, G. C.: See Hirsch, E. F.

Kanjuh, V. I.; Sellers, R. D., and Edwards, J. E.: Pulmonary vascular plexiform lesion, 513 (No)

Kaufman, N.: See Klavins, J. V.

Kent, T. H.: Malabsorption syndrome with malignant lymphoma, 97 (Au)

Kinney, T. D.: See Klavins, J. V.

Klavins, J. V.; Kinney, T. D., and Kaufman, N.: Cardiovascular changes induced by ethionine, 200 (Se)

Klavins, J. V.: See Patrick, R. L.

Klein, M. G.: See La Via, M. F.

Koffler, D.: Giant Cell pneumonia, 267 (Se)

Koletsky, S.; Rivera-Velez, J. M., and Pritchard, W. H.: Experimental renal hypertension, 24 (Jy)

Korna, M. E.: Single coronary artery, 169 (Au)

Kovacs, K.; Carroll, R., and Tapp, E.: Tetracycline fluorescence in renal ischemia, 552 (No)

Kozij, V. M.: See Arana, J. A.

Kroe, D. J.: See Patrick, R. L.

Kupferberg, L. L.: See Soto, P. J.

Kusserow, B. K.: See Twitchell, M. C.

Kwaan, H. C., and Astrup, T.: Aortic arteriosclerosis in rabbits, 474 (No)

L

Laufer, A.: See Davies, A. M.

La Via, M. F., and Klein, M. G.: Postimmunization changes in the rat spleen, 196 (Se)

Lazarus, S. S.: See Volk, B. W.

Leader, R. W.: Lower animals, spontaneous disease, and man, 390 (Oc)

Lehoczky-Mona, J. and McCandless, E. L.: Ischemic induction of chondrogenesis in myocardium, 37 (Jy)

Levin, N. W.: See Abrahams, C.

Levine, R.: History of etiology of diabetes mellitus, 405 (Oc)

Lindenberg, R.: See Freytag, E.

Lofland, H. B.: See Middleton, C. C.

M

McCandless, E. L.: See Lehoczky-Mona, J.

McGill, H. C.: See Eggen, D. A.

McGonigle, D., and Rosenau, W.: Lesions of pulmonary vessels in tetralogy of Fallot, 165 (AU)

Mandl, R.: See Black, M. M.

Masuko, K.; Rubin, E., and Popper, H.: Proliferation of bile ducts in cirrhosis, 421 (Oc)

McHenry, L. C.; Ewald, R. A.; Talbert, W. M., and Elwell, R. H.: Bilateral cortical cerebellar sclerosis, 665 (De)

Meskin, L. H., and Woolfrey, B. R.: Radiographic localization of labeled carcinogen, 643 (De)

Mestel, A. L.; Spain, D. M., and Turner, H. A.: Atheroma absence distal to subtotal aorta occlusion, 186 (Se)

Middleton, C. C.; Clarkson, T. B.; Lofland, H. B., and Prichard, R. W.: Atherosclerosis in the squirrel monkey, 16 (Jy)

Mitus, W. J., and Toyama, K.: Experimental renal erythrocytosis, 658 (De)

Morrione, T. G., and Ru, M. Z.: Injury influence on resorption of uterine collagen, 591 (De)

Moss, M. J., and Urist, M. R.: Experimental cutaneous calcinosis, 127 (Au)

N

Naji, A. F.: Paraostal atherosclerosis, 461 (No)

Nakamura, R. M.: See Soto, P. J.

Nielson, K.: See Gabbiani, G.

O

Opie, E. L.: Inflammation in serous cavities, 1 (Jy)

P

Patrick, R. L.; Kroen, D. J., and Klevins, J. V.: Renal papillary necrosis induced by heterologous serum, 108 (Au)

Penick, G. D.: See Woods, J. W.

Petersen, R. O.: See Hinrichs, H. R.

Pollack, A. D.: Dr. Paul Klemperer, 306 (Oc)

Popoff, N., and Feigin, I.: Heterotopic central nervous tissue in subarachnoid space, 533 (No)

Popper, H.: See Barka, T.; Masuko, K.

Prichard, R. W.: See Middleton, C. C.

Prior, J. T.: Lipomatous hypertrophy of cardiac interatrial septum, 11 (Jy)

Pritchard, W. H.: See Koletsky, S.

Proctor, N. S. F.: See Bader, L. V.

Puchtler, H.; Rosenthal, S. I., and Sweat, F.: Revision of the amidoblack stain for hemoglobin, 76 (Jy)

See Sweat, F.

R

Rigdon, R. H.: Rupture of spleen in ducks with amyloidosis, 66 (Jy)

Rivera-Velez, J. M.: See Koletsky, S.

Rosenau, W.: See McGonigle, D.

Rosenmann, E.: See Davies, A. M.

Rosenthal, S. I.: See Sweat, F.

Rossing, R. G.: See Clay, J. R.

Ru, M. Z.: See Morrione, T. G.

Rubenstein, A. H.: See Abrahams C.

Rubin, E. See Masuko, K.

S

Saifer, A.: See Volk, B. W.

Sandritter, W.: See Walb, D.

Schaffner, F.: See Barka, T.

Scheuer, P. J.: See Barka, T.

Schneck, L.: See Volk, B. W.

Schneider, M., and Adar, U.: Effect of inanition of rabbit growth cartilage plates, 149 (Au)

Schneider, R. B.: See Walford, R. L.

Seki, M., and Strauss, L.: Absence of one umbilical artery, 446 (Oc)

Sellers, R. D.: See Kanjuh, V. I.

Shinohara, Y.: See Ehrlich, J. C.

Shuplock, N. A.: See Thompson, M. E.

Sidransky, H., and Verney, E.: Chemical pathology of acute amino acid deficiencies, 134 (Au)

Sobel, H. J.: Electron microscopy of Γ^{131} -irradiated thyroid, 53 (Jy)

Soto, P. J.; Beall, F. A.; Nakamura, R. M., and Kupferberg, L. L.: Myocarditis in rhesus monkeys, 681 (De)

Spain, D. M.: Effects of estrogen and hydrocortisone, 540 (No)

and Weinsaft, P.: Solitary adrenal cortical adenoma in elderly female, 231 (Se)

See Mestel, A. L.

Stehbens, W. E.: Vascular changes in chronic peptic ulcer, 584 (De)

Still, W. J. S.: Pathogenesis of experimental atherosclerosis, 601 (De)

Stirling, G. A.: See Dawson, J. L.

Strauss, L.: See Seki, M.

Strong, J. P.: See Eggen, D. A.

Strukov, A.: General morphology of collagen diseases, 409 (Oc)

Suit, H. D., and Gallagher, H. S.: Intact tumor cells in irradiated tissue, 648 (De)

Sweat, F.; Puchtler, H., and Rosenthal, S. I.: Sirius red F3BA as a stain for connective tissue, 69 (Jy)

Puchtler, H., and Woo, P.: A light-fast modification of Lillie's allochrome stain, 73 (Jy)

See Puchtler, H.

T

Tackett, L. R.: Brain tissue pulmonary emboli, 292 (Se)

Takahashi, M.: See Akamatsu, Y.

Talbert, W. M.: See McHenry, L. C.

Tanaka, Y.: See Gore, I.

Tapp, E.: See Kovacs, K.

Thompson, M. E.; Shuplock, N. A., and Fetterman, G. H.: Collagenase method of renal microdissection, 568 (No)

Tindall, J. P.: See Fetter, B. F.

Toyama, K.: See Mitus, W. J.

Turner, H. A.: See Mestel, A. L.

Twitchell, M. C., and Kusserow, B. K.: Effect of aqueous on skeletal muscle and connective tissue, 157 (Au)

U

Urist, M. R.: See Moss, M. J.

V

Verney, E.: See Sidransky, H.

Volk, B. W., and Lazarus, S. S.: B cell hyperfunction after long-term sulfonylurea treatment, 114 (Au)

Wallace, B. J.; Schneck, L., and Saifer, A.: Late infantile amaurotic idiocy, 483 (No)

W

Wagner, B. M.: Bioastronautics, 454 (Oc)

Walb, D., and Sandritter, W.: Inclusion bodies in rectal polyps, 104 (Au)

Walford, R. L.; Carter, P. K., and Schneider, R. B.: Stability of labeled aortic elastic tissue with age and pregnancy in the rat, 43 (Jy)

Wallace, B. J.: See Volk, B. W.

Warren, S., and Gates, O.: Lung cancer and metastasis, 467 (No)

Weinsaft, P.: See Spain, D. M.

West, W. T.: See Gorham, L. W.

Wexler, B. C.: Myocardial mast cell changes in arteriosclerotic rats, 46 (Jy)

White, F. N. and Grollman, A.: Experimental periarteritis nodosa in the rat, 31 (Jy)

White, H. A.: See Gore, I.

Will, D. W.: See Anderson, R. E.

Woo, P.: See **Sweat, F.**

Woods, J. W., and Penick, G. D.: Warfarin and diet-induced lipidosis in rats, 234 (Se)

Woolfrey, B. F.: See **Meskin, L. H.**

Wunderlich, U.: See **Abrahams, C.**

Y

Yamada, A.: See **Anderson, R. E.**

Yamamoto, T.: See **Anderson, R. E.**

Z

Zimmerman, H. M.: See **Ikuta, F.**

SUBJECT INDEX TO VOLUME 78

The following Index is an alphabetical list of all significant subjects presented in this volume. Books reviewed are listed alphabetically by main author under the heading "BOOKS." Page numbers in the Index refer to boldface numbers in the text.

A**Abnormalities**

absence of one umbilical artery and associated anomalies, analysis 60 cases [Seki], 446 (Oc)
heterotopic central nervous tissue in subarachnoid space [Popoff], 533 (No)

Acetophenetidin

experimentally induced analgesic nephritis in rats [Abrahams], 222 (Se)

Adenoma

solitary adrenal cortical adenoma in elderly females, frequency [Spain], 231 (Se)

Adrenal Cortex Neoplasms

solitary adenoma in elderly females, frequency [Spain], 231 (Se)

Age

stability of labeled aortic elastic tissue with age and pregnancy in the rat [Walford], 43 (Jy)

Aleutian Disease: See Collagen Diseases**Allochrome Stain: See Stains and Staining****Amaurotic Familial Idiocy**

late infantile, case, ultramicroscopic and histochemical studies [Volk], 484 (No)

American Society for Experimental Pathology

annual business meeting, 296 (Se)

Amidoblack Stain: See Stains and Staining**Amino Acids**

acute deficiencies, chemical pathology [Sidransky], 134 (Au)

Aminocaproic Acid

aortic arteriosclerosis in rabbits fed inhibitors of fibrinolysis [Kwaan], 474 (No)

Aminopropionitrile

lathyrism of mice, bony changes induced by feeding [Akamatsu], 61 (Jy)

Aminopyrine

inhibition of Shwartzman phenomenon [Antopol], 313 (Oc)

Amyloid Substance

starch gel electrophoretic analysis extracted proteins [Benditt], 325 (Oc)

Amyloidosis

rupture of spleen in ducks with amyloidosis [Rigdon], 66 (Jy)

Anaphylaxis

anaphylactoid inflammation and mastopexis [Gabbiani], 626 (De)

Animal Diseases

spontaneous disease of lower vertebrates, and man [Leader], 390 (Oc)

Antigens and Antibodies

circulating antibodies after heart preparation injections [Davies], 369 (Oc)
early histologic effects antigenic stimulation in mice [Congdon], 83 (Au)

Anoxia

ischemic induction of chondrogenesis in myocardium [Lehoczky-Mona], 37 (Jy)

Aorta

arteriosclerosis in rabbits fed inhibitors of fibrinolysis [Kwaan], 474 (No)
cardiovascular changes induced by ethionine [Klavins], 200 (Se)

naturally occurring atherosclerosis in squirrel monkey [Middleton], 16 (Jy)

stability of labeled aortic elastic tissue with age and pregnancy in the rat [Walford], 43 (Jy)

Aorta, Abdominal

calcification [Eggen], 575 (De)

Aortic Stenosis

subtotal, atheroma absence [Mestel], 186 (Se)

Aqueous Humor

effect on skeletal muscle and connective tissue [Twitchell], 157 (Au)

Arteriosclerosis

aortic, in rabbits fed inhibitors of fibrinolysis [Kwaan], 474 (No)

atherosclerosis in squirrel monkey, naturally occurring lesions of aorta and coronary arteries [Middleton], 16 (Jy)

experimental cholesterol atherosclerosis in rabbit, pathogenesis [Still], 601 (De)

myocardial mast cell changes in arteriosclerotic rats [Wexler], 46 (Jy)

spontaneous, in pigeons and pigs, and man [Leader], 390 (Oc)

Arteriosclerosis, Coronary: See Coronary Disease**Atheroma**

absence distal to subtotal aorta occlusion [Mestel], 186 (Se)

Atherosclerosis: See Arteriosclerosis**Atomic Bomb: See Leukemia, Radiation-Induced****Autopsy**

on epileptics, 294 cases, cerebral findings [Freytag], 274 (Se)

study of leukemia in Hiroshima [Anderson], 618 (De)

Awards

American Society of Experimental Pathology Award to Stohlman, Frederick, Jr., 80 (Jy)

B**Benzanthracenes: See Dimethyl Benzan-thracenes****Bile Ducts, Intrahepatic**

proliferation in cirrhosis [Masuko], 421 (Oc)

Bioastronautics: See Space Flight**Blood Circulation**

circulatory changes in osteolytic and osteoblastic reactions [Gorham], 673 (De)

Blood Serum

heterologous, renal papillary necrosis induced by [Patrick], 108 (Au)

Body Cavities: See Peritoneal Cavity; Pleural Cavity**Bone Diseases**

bony changes induced by β -aminopropionitrile feeding of mice, autoradiographic study using S^{35} [Akamatsu], 61 (Jy)

Bone Resorption

circulatory changes in osteolytic and osteoblastic reactions [Gorham], 673 (De)

BOOKS

Ackerman, L. V. *Surgical pathology*, 179 (Au)

Adams, R. D. et al. *Diseases of muscle: a study in pathology*, 176 (Au)

Anderson Hospital and Tumor Clinic, University of Texas. *Tumors of the skin*, 300 (Se)

Andrewes, C. *Viruses of vertebrates*, 694 (De)

Attie, J. N., and Khafif, R. A.: *Melanotic tumors: biology, pathology and clinical features*, 300 (Se)

Bargmann, W., and Doerr, W. *Das Herz des Menschen*, 299 (Se)

Barka, T., and Anderson, P. J. *Histochemistry, theory, practice and bibliography*, 179 (Au)

Basu, A. K., and Aikat, B. K. *Tropical splenomegaly*, 174 (Au)

Blechschmidt, E. *The human embryo: documentations on kinetic anatomy*, 174 (Au)

Boniuk, M. *Ocular and adnexal tumors: new and controversial aspects*, 574 (No)

Bourne, G. H. *Muscular dystrophy in man and animals*, 174 (Au)

Boyer, G. F. *Atlas of blood cytology*, 179 (Au)

Boyd, W. *An introduction to the study of disease*, 176 (Au)

Boyd, W. *Textbook of pathology*, 175 (Au)

Cumley, R. W. ed: *Viruses, nucleic acids, and cancer: a collection of papers presented at the Seventeenth Annual Symposium on Fundamental Cancer Research*, 1963, 300 (Se)

Dameshek, W., and Gunz, F. *Leukemia*, 573 (No)

Dean, G. *The porphyrias*, 177 (Au)

Desmet, V. *Experimentelle Levercarcino-genese: histochemische Studie*, 300 (Se)

Dixon, F. J., and Humphrey, J. H. *Advances in immunology. Volume 3*, 691 (De)

Durand, P. *Disorders due to intestinal defective carbohydrate digestion and absorption*, 693 (De)

Emmel, V. M., and Cowdry, E. V. *Laboratory technique in biology and medicine*, 691 (De)

Emmons, C. W. et al. *Medical mycology*, 178 (Au)

Geschickter, C. F., and Cannon, A. *Color atlas of pathology*, 458 (Oc)

Grüneberg, H.: *The pathology of development: a study of inherited skeletal disorders in animals*, 459 (Oc)

Hess, B. *Enzymes in blood plasma*, 81 (Jy)

Jackson, B. B. *Occlusion of the superior mesenteric artery*, 81 (Jy)

Jakus, M. A. *Ocular fine structure: selected electron micrographs*, 81 (Jy)

Jones, R. J. *Evolution of the atherosclerotic plaque*, 301 (Se)

Koch, E., et al. *Mucoviscidosis, zystische Pankreasfibrose*, 573 (No)

Liu, W. *An introduction to respiratory cytology*, 177 (Au)

C

MacDonald, R. A. Hemochromatosis and hemosiderosis, 573 (No)

Moore, F. D. Give and take: the development of tissue transplantation, 691 (De)

Nager, G. T. Meningiomas involving the temporal bone, 459 (Oc)

New York Heart Association. Connective tissue: intercellular macromolecules, 178 (Au)

Nodine, J. H., and Siegler, P. E. Animal and clinical pharmacologic techniques in drug evaluation, 692 (De)

Rezek, P. R., and Millard, M. Autopsy pathology, 175 (Au)

Rubin, P. Dynamic classification of bone dysplasias, 692 (De)

Sissons, H. A. Bone metabolism in relation to clinical medicine, 180 (Au)

Spain, D. M. The complications of modern medical practices, 177 (Au)

Steinberg, A. G., and Bearn, A. G. Progress in medical genetics: Vol III, 301 (Se)

Sunderman, F. W., and Sunderman, F. W., Jr. Hemoglobin, its precursors and metabolites, 302 (Se)

Talbott, J. H. Gout, 2nd ed., 693 (De)

Uhr, J. W., ed. The streptococcus, rheumatic fever and glomerulonephritis: a symposium held at the New York University School of Medicine November 27 and 28, 1962, 572 (No)

Wagenvoort, C. A., et al. The pathology of the pulmonary vasculature, 178 (Au)

Walter, J. B., and Israel, M. S. General pathology, 177 (Au)

Wenger, R. Endokardfibrosen, Klinik Therapie Pathologie, 574 (No)

Zeman, W., and Innes, J. R. M. Craigie's neuroanatomy of the rat, 458 (Oc)

Bourneville's Disease: See **Tuberous Sclerosis**

Bradykinin Inhibitors
Shwartzmanphenomenon, inhibition by antiserotonin compounds [Antopol], 313 (Oc)

Brain Injury
brain tissue pulmonary emboli, case [Tackett], 292 (Se)

Brain Pathology
cerebral findings in 294 medicolegal autopsies on epileptics [Freytag], 274 (Se)

Breast Neoplasms
mouse carcinoma, intact cells in irradiated tissue [Suit], 648 (De)

Calcification
in abdominal aorta [Eggen], 575 (De)

Calcinosis
cutaneous, experimental [Moss], 127 (Au)

Carbon Isotopes
carbon 14 labeled dimethyl-benzanthracene, localization in hamster cheek pouch [Meskin], 643 (De)

Carcinogens: See **Dimethyl Benzanthracenes; Methylcholanthrene; Nitrosamines**

Carcinoma
spontaneous mammary in mice, intact cells after irradiation [Suit], 648 (De)

Cartilage
effect of inanition of rabbit growth cartilage plates [Schneider], 149 (Au)

Cell Differentiation
histones, cell specificity [Black], 350 (Oc)

Central Nervous System Diseases
as effect of nicotine on chick embryo [Gatling], 652 (De)

Cerebellar Diseases
bilateral cortical sclerosis [McHenry], 665 (De)

Cerebral Cortex
biopsy in late infantile amaurotic idiocy, ultramicroscopic and histochemical studies [Volk], 483 (No)

Chediak-Higashi Syndrome
spontaneous disease in mink and cattle, and man [Leader], 390 (Oc)

Chemical Carcinogens: See **Methylcholanthrene**

Chick Embryo
effect of nicotine on [Gatling], 652 (De)

Cholesterol
effects of estrogen and hydrocortisone on cholesterol implants in rabbits [Spain], 540 (No)

pathogenesis of experimental atherosclerosis [Still], 601 (De)

Chondrogenesis
ischemic induction of chondrogenesis in myocardium [Lehoczky-Mona], 37 (Jy)

Collagen Diseases
general morphology [Strukov], 409 (Oc)

Collagen Resorption
injury influence on resorption of uterine collagen [Morrione], 591 (De)

Collagen Resorption—continued
spontaneous in lower vertebrates, Aleutian disease of minks, and man [Leader], 390 (Oc)

Collagenase
method of renal microdissection [Thompson], 568 (No)

Comparative Pathology: See **Animal Diseases**

Connective Tissue
effect of aqueous on [Twitchell], 157 (Au)
a light-fast modification Lillie's alcobrome stain [Sweat], 73 (Jy)
Sirius red F3BA as a stain for connective tissue [Sweat], 69 (Jy)

Copper
intoxication, structural changes of liver cells [Barka], 331 (Oc)

Coronary Diseases
naturally occurring atherosclerosis in squirrel monkey [Middleton], 16 (Jy)
paraostial atherosclerosis of left coronary artery [Najj], 461 (No)
relationship to calcification of abdominal aorta [Eggen], 575 (De)
thrombosis, low incidence in myocardial infarction, serial block study [Ehrlich], 432 (Oc)

Coronary Vessels
cardiovascular changes induced by ethionine [Klavins], 200 (Se)
single coronary artery, case [Korns], 169 (Au)

Cortisone
hypertension in rat, tritiated thymidine uptake [Crane], 209 (Se)

Cryptorchidism
interstitial cell tumor in a cryptorchid testis [Bader], 260 (Se)

D

Deficiency Diseases
acute amino acid deficiencies, chemical pathology [Sidransky], 134 (Au)

DENA: See **Nitrosamines**

Desoxycorticosterone
hypertension in rat, tritiated thymidine uptake [Crane], 209 (Se)

Diabetes Mellitus
history of etiology [Levine], 405 (Oc)

Diet, High-Fat
warfarin and diet-induced lipidosis in rats [Woods], 234 (Se)

Diethylnitrosamine: See **Nitrosamines**

Dihydrotachysterol
experimental cutaneous calcinosis [Moss], 127 (Au)

Dimethyl Benzantracenes
carbon 14 labeled, radiographic localization in hamster cheek pouch [Meskin], 643 (De)

Dissection
collagenase method of renal microdissection [Thompson], 568 (No)

DNA
incorporation of thymidine into DNA of mouse organs [Hinrichs], 245 (Se)

Duck Diseases
rupture of spleen in ducks with amyloidosis [Rigdon], 66 (Jy)

E

EACA: See **Aminocaproic Acid**

Elastic Tissue
aortic, labeled stability with age and pregnancy in rat [Walford], 43 (Jy)

Electron Microscopy: See **Microscopy, Electron**

Electrophoresis
starchgel electrophoretic analysis proteins extracted from amyloid [Benditt], 325 (Oc)

Embolism: See **Pulmonary Embolism**

Epilepsy
cerebral findings in 294 medicolegal autopsies [Freytag], 274 (Se)

Epiphyseal Plates: See **Cartilage**

Epsilon-Aminocaproic Acid: See **Aminocaproic Acid**

Erythrocytes
experimental renal erythrocytosis [Mitus], 658 (De)

Escherichia Coli Infections
retrograde urinary tract infections [Arana], 558 (No)

Estrogenic Substances, Conjugated
effects on cholesterol implants in rabbits on stock and high cholesterol diets [Spain], 540 (No)

Ethionine
induced cardiovascular changes [Klavins], 200 (Se)

F

Fallot's Tetralogy: See **Tetralogy of Fallot**

Fluorescence

tetracycline fluorescence in renal ischemia [Kovacs], 552 (No)

Fluorescent Antibody Technic

giant cell pneumonia, fluorescent antibody and histochemical studies [Koffler], 267 (Se)

Fungus Diseases: See Sporotrichosis**G****Giant Cells**

pneumonia, fluorescent antibody and histochemical studies [Koer], 267 (Se)

Glomangioma

pulmonary, and hamartoma in tuberous sclerosis, case [Baar], 287 (Se)

H**Hamartoma**

and pulmonary glomangioma in tuberous sclerosis, case [Baar], 287 (Se)

Heart

experimental heart block in dogs, nerve distribution in septal myocardium [Hirsch], 523 (No)

organ specificity, circulating antibodies and immunopathologic lesions after heart preparation injections [Davies], 369 (Oc)

lipomatous hypertrophy of interatrial septum [Prior], 11 (Jy)

Hemangioendothelioma

experimental, and osteolytic and osteoblastic reactions [Gorham], 673 (De)

Hematoma

cephalic, effect of nicotine on chick embryo [Gatling], 652 (De)

Hemoglobin

revision of the amidoblack stain for hemoglobin [Puchtler], 76 (Jy)

Hepatolenticular Degeneration

structural changes of liver cells in copper intoxication, and Wilson's disease [Barka], 331 (Oc)

Hepatomegaly: See Liver Enlargement**Hepatotoxins: See Copper****Hibernoma: See Lipoma****Hiroshima: See Leukemia, Radiation-Induced****Histological Techniques**

serial block technic in restudy coronary [Ehrlich], 432 (Oc)

Histones

cell specificity [Black], 350 (Oc)

Hydrocarbons: See Methylcholanthrene**Hydrocortisone**

effects on cholesterol implants in rabbits on stock and high cholesterol diets [Spain], 540 (No)

Hydronephrosis

experimental renal erythrocytosis [Mitus], 658 (De)

Hypertension

tritiated thymidine uptake in rat hypertension [Crane], 209 (Se)

Hypertension, Pulmonary

pulmonary vascular plexiform lesion, pathogenetic studies [Kanjuh], 513 (No)

Hypertension, Renal

experimental; origin of high blood pressure and vascular disease [Koletsky], 24 (Jy)

Hypertrophy and Hyperplasia

hepatomegaly in hybrid mice from injection of parental spleen cells [Bain], 633 (De)

Hypoglycemic Agents: See Sulfonylurea**I****Imferon: See Iron-Dextron Complex****Immunology, Antigens**

changes in rat spleen following immunization with particulate antigens [La Via], 196 (Se)

Inclusion Bodies

in rectal polyps [Walb], 104 (Au)

Infant Diseases

heterotopic central nervous tissue in subarachnoid space [Popoff], 533 (No)

late infantile amaurotic idiocy, case [Volk], 483 (No)

Inflammation

in serous cavities, definition and measurement [Opie], 1 (Jy)

Interstitial Cells: See Leydig Cell Tumors**Iodine Isotopes**

electron microscopy of I^{131} -irradiated thyroid [Sobel], 53 (Jy)

Iron-Dextron Complex

anaphylactoid inflammation and mastopexis [Gabbiani], 626 (De)

Islands of Langerhans

B cell hyperfunction after long-term sulfonylurea treatment [Volk], 114 (Au)

J

Jansky-Bielschowsky Disease: See **Amaurotic Familial Idiocy**

Jaundice

protective effect of mannitol on anoxic jaundiced kidneys [Dawson], 254 (Se)

K**Kidney, Juxtaglomerular Apparatus**

role in experimental renal erythrocytosis [Mitus], 658 (De)

Kidney Papillary Necrosis: See **Pyelonephritis, Acute Necrotizing****Kidney Tubules**

collagenase method of renal microdissection [Thompson], 568 (No)

Klemperer, Paul, 1887-1964

biographical sketch [Pollack], 306 (Oc)

Festschrift, introductory comment [Angevine], 305 (Oc)

L**Lathyrism**

of mice, bony changes induced by β -aminopropionitrile feeding [Akamatsu], 61 (Jy)

Leukemia, Radiation-Induced

in Hiroshima, autopsy study [Anderson], 618 (De)

Leydig Cell Tumor

interstitial cell tumor in a cryptorchid testis [Bader], 260 (Se)

Lillie's Stain: See **Stains and Staining****Lipoblastomatosis:** See **Lipoma****Lipoidosis**

warfarin and diet-induced lipoidosis in rats [Woods], 234 (Se)

Lipoma

lipomatous hypertrophy of cardiac interatrial septum, lesion resembling hibernoma, lipoblastomatosis and infiltrating lipoma [Prior], 11 (Jy)

Liver Cirrhosis

bile duct proliferation in [Masuko], 421 (Oc)

Liver Damage

copper intoxication, structural changes of liver cells [Barka], 331 (Oc)

Liver Enlargement

hepatomegaly in hybrid mice from injection of parental spleen cells [Bain], 633 (De)

Lung Neoplasms

cancer and metastasis [Warren], 467 (No)

pulmonary glomangioma and hamartoma in tuberous sclerosis [Baar], 287 (Se)

Lymphoma

malignant, and malabsorption syndrome [Kent], 97 (Au)

M**MacCarty, William Carpenter**

obituary, 172 (Au)

Malabsorption Syndrome

with malignant lymphoma [Kent], 97 (Au)

Mannitol

protective effect on anoxic jaundiced kidneys, histological study [Dawson], 254 (Se)

Mast Cells

anaphylactoid inflammation and mastopexis [Gabbiani], 626 (De)

myocardial, changes in arteriosclerotic rats [Wexler], 46 (Jy)

Metastasis

and lung cancer [Warren], 467 (No)

Methylcholanthrene

intramuscular precancerous lesions from injections [Ikuta], 377 (Oc)

Microscopy, Electron

of I^{31} -irradiated thyroid [Sobel], 53 (Jy)

Monkeys: See **Primates****Moon, Virgil H**

obituary, 172 (Au)

Mucopolysaccharides

arterial acid, changes by protamine [Gore], 181 (Se)

Muscle

skeletal, effect of aqueous on [TwitHELL], 157 (Au)

Muscle Neoplasms

intramuscular precancerous lesions from hydrocarbons [Ikuta], 377 (Oc)

Mycoses: See **Sporotrichosis****Myocardial Infarct**

low incidence of coronary thrombosis in, serial block study [Ehrlich], 432 (Oc)

Myocarditis

in rhesus monkeys [Soto], 681 (De)

Myocardium

cardiovascular changes induced by ethionine [Klavins], 200 (Se)

Myocardium—continued

immunopathologic lesions after heart preparation injections [Davies], 369 (Oc)
ischemic induction of chondrogenesis [Lehoczy-Mona], 37 (Jy)
mast cell changes in arteriosclerotic rats [Wexler], 46 (Jy)

N**Nasal Polyps**

epithelial papillomas, experimental induction in hamsters [Herrold], 189 (Se)

Neoplasm Recurrence

mammary carcinoma in mice, intact cells in irradiated tissue [Suit], 648 (De)

Nephritis, Interstitial

experimentally induced analgesic nephritis in rats [Abrahams], 222 (Se)

Neuroglia

heterotopic central nervous tissue in subarachnoid space [Popoff], 533 (No)

NEWS AND COMMENT

79 (Jy); 273, 286, 296 (Se); 460 (Oc); 612, 617, 680 (De)

Nicotine

effect on chick embryo [Gatling], 652 (De)

Nitrosamines

diethylnitrosamine induction nasal papillomas in hamsters [Herrold], 189 (Se)

Nucleoproteins: See Histones**O****OBITUARIES**

MacCarty, William Carpenter, 1880-1964, 172 (Au)
Moon, Virgil H, 1879-1964, 172 (Au)
Russ, Donald R., 1923-1964, 295 (Se)

Osteogenesis

circulatory changes in osteolytic and osteoblastic reactions [Gorham], 673 (De)

P**Papilloma: See Nasal Polyps****Pathology**

bioastronautics, manned space operations from orientation of pathologist [Wagner], 454 (Oc)

Pekin Ducks: See Duck Diseases**Peptic Ulcer**

chronic, vascular changes in [Stehbens], 584 (De)

Periarteritis Nodosa

experimental, in rat [White], 31 (Jy)

Peritoneal Cavity

inflammation in, definition and measurement [Opie], 1 (Jy)

Phosgene

exposure, histopathology [Clay], 544 (No)

Pleural Cavity

inflammation in, definition and measurement [Opie], 1 (Jy)

Pneumonia, Interstitial: See Pulmonary Fibrosis**Precancerosis**

intramuscular precancerous lesions from hydrocarbons [Ikuta], 377 (Oc)

Pregnancy

stability of labeled aortic elastic tissue with age and pregnancy in rat [Walford], 43 (Jy)

Primates, Squirrel Monkeys

naturally occurring atherosclerotic lesions of aorta and coronary arteries [Middleton], 16 (Jy)

Primates, Macaca Mulatta

myocarditis in rhesus monkeys [Soto], 681 (De)

Propionitriles: See Aminopropionitrile**Protamines**

injection and arterial acid mucopolysaccharide changes [Gore], 181 (Se)

Proteins: See Amyloid Substance**Puerperium**

injury influence on resorption of uterine collagen [Morrione], 591 (De)

Pulmonary Artery

arterial acid mucopolysaccharide changes by protamine [Gore], 181 (Se)

lesions in Tetralogy of Fallot [McGonigle], 165 (Au)

plexiform lesion, pathogenetic studies [Kanjuh], 513 (No)

Pulmonary Embolism

brain tissue pulmonary emboli, case [Tackett], 292 (Se)

Pulmonary Emphysema

attempt to produce pulmonary emphysema experimentally by exposure to phosgene [Clay], 544 (No)

Pulmonary Fibrosis
giant cell, fluorescent antibody and histochemical studies [Koer], 267 (Se)

Pyelonephritis
ascending, in retrograde *E. coli* urinary infection in rats [Arana], 558 (No)

Pyelonephritis, Acute Necrotizing
experimentally induced analgesic nephritis in rats [Abrahams], 222 (Se)
papillary necrosis induced by heterogeneous serum [Patrick], 108 (Au)

Pyramidon: See Aminopyrine

R

Race
and calcification of abdominal aorta [Eggen], 575 (De)

Radioisotopes: See Carbon Isotopes; Iodine Isotopes; Sulfur Isotopes

Radiotherapy
mammary carcinoma in mice, intact cells in irradiated tissue [Suit], 648 (De)

Rectal Neoplasms
polyps, inclusion bodies in [Walb], 104 (Au)

Renal Ischemia and Hypoxia
protective effect of mannitol on anoxic jaundiced kidneys [Dawson], 254 (Se)
tetracycline fluorescence in [Kovacs], 552 (No)

Rhesus Monkeys: See Primates, *Macaca Mulatta*

Rhinoscleroma
case, light and electron microscopic studies [Fisher], 501 (No)

Ribonucleic Acid
cellular and chemical changes in rat spleen following immunization with particulate antigens [La Via], 196 (Se)

Russ, Donald R.
obituary, 295 (Se)

S

Sclerosis
bilateral cortical cerebellar sclerosis [McHenry], 665 (De)

Serial Block Techniques: See Histological Techniques

Serotonin Inhibitors

Sex
and calcification of abdominal aorta [Eggen], 575 (De)

Shwartzman phenomenon, inhibition by antiserotonin compounds [Antopol], 313 (Oc)

Shwartzman Phenomenon
mechanism, inhibition by antibradykinin and antiserotonin compounds [Antopol], 313 (Oc)

Sirius Red F3BA: See Stains and Staining Skin

calciosis, experimental [Moss], 127 (Au)

sporotrichosis, improved technique for demonstration of organisms [Fetter], 613 (De)

Space Flight
bioastronautics, man in the space environment [Wagner], 454 (Oc)

Spleen
early histologic effects antigenic stimulation in mice [Congdon], 83 (Au)
hepatomegaly in hybrid mice from injection of parental spleen cells [Bain], 633 (De)
postimmunization changes in the rat spleen [La Via], 196 (Se)

Splenic Rupture
in ducks with amyloidosis [Rigdon], 66 (Jy)

Sporotrichosis
cutaneous, improved technique for demonstration of organisms [Fetter], 613 (De)

Sprue: See Malabsorption Syndrome

Squirrel Monkeys: See Primates

Stains and Staining
improved technique for demonstration of organisms in cutaneous sporotrichosis [Fetter], 613 (De)
light-fast modification of Lillie's allochrome stain [Sweat], 73 (Jy)
revision of the amidoblack stain for hemoglobin [Puchtler], 76 (Jy)
Sirius red F3BA as a stain for connective tissue [Sweat], 69 (Jy)

Starvation
effect of inanition of rabbit growth cartilage plates [Schneider], 149 (Au)

Stohlmeyer, F.
wins American Society of Experimental Pathology award, 80 (Jy)

Stomach, Blood Supply
vascular changes in chronic peptic ulcer [Stehbens], 584 (De)

Subarachnoid Space

heterotopic central nervous tissue in [Popoff], 533 (No)

Sulfonylurea

B cell hyperfunction after long-term administration tolazamide [Volk], 114 (Au)

Sulfur Isotopes

in autoradiographic study of bone changes in lathyrism of mice [Akamatsu], 61 (Jy)

T**Testis Neoplasms**

interstitial cell tumor in a cryptorchid testis [Bader], 260 (Se)

Tetracycline

fluorescence in renal ischemia [Kovacs], 552 (No)

Tetralogy of Fallot

lesions of pulmonary vessels in [McGonigle], 165 (Au)

Thymidine

incorporation into DNA of mouse organs [Hinrichs], 245 (Se)

tritiated, uptake in rat hypertension [Crane], 209 (Se)

Thyroid Gland

electron microscopy of I^{131} -irradiated thyroid [Sobel], 53 (Jy)

Tolazamide: See Sulfonylurea**Tritium**

incorporation of tritiated thymidine into DNA of mouse organs [Hinrichs], 245 (Se)

Tritium—continued

tritiated thymidine uptake in rat hypertension [Crane], 209 (Se)

Tuberous Sclerosis

pulmonary glomangioma and hamartoma in, case [Baar], 287 (Se)

U**Umbilical Artery**

absence of one umbilical artery, analysis of associated anomalies [Seki], 446 (Oc)

Urinary Tract Infections

retrograde *E. coli* infection in rats [Arana], 558 (No)

Uterus Injury

influence of injury on resorption of collagen [Morrione], 591 (De)

V**Vascular Diseases**

experimental renal hypertension; origin high blood pressure and vascular disease [Koletsky], 24 (Jy)

vascular changes in chronic peptic ulcer [Stehbens], 584 (De)

W**Warfarin**

and diet-induced lipidosis in rats [Woods], 234 (Se)

Wilson's Disease: See Hepatolenticular Degeneration**Wound Healing**

injury influence on resorption of uterine collagen [Morrione], 591 (De)

